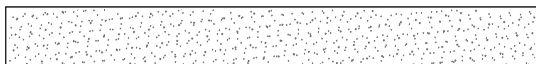


Sound absorption according to DIN EN ISO 354:2005

Product: **BER Sonoplus-N**

Cut



Type: N

Cavity: 50 mm

$\alpha_{i.M.} = 0,43$  NRC = 0,50  $w = 0,50$  (M) Kl. D

f [Hz]	125	250	500	1000	2000	4000
$\alpha_s$	0,12	0,25	0,47	0,77	0,60	0,37

Type: N

Cavity: 100 mm

$\alpha_{i.M.} = 0,43$  NRC = 0,50  $w = 0,50$  (M) Kl. D

f [Hz]	125	250	500	1000	2000	4000
$\alpha_s$	0,14	0,25	0,47	0,77	0,60	0,37

Type: N

Cavity: 200 mm

$\alpha_{i.M.} = 0,44$  NRC = 0,50  $w = 0,50$  (M) Kl. D

f [Hz]	125	250	500	1000	2000	4000
$\alpha_s$	0,15	0,25	0,47	0,77	0,60	0,37

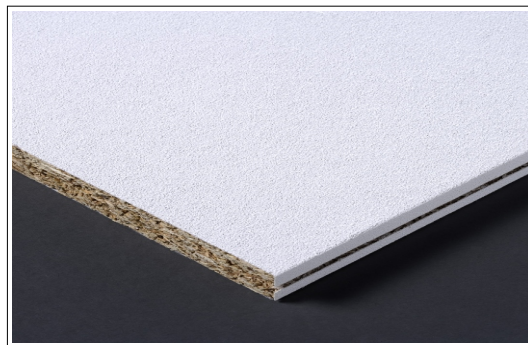
Type: N

Cavity: 400 mm

$\alpha_{i.M.} = 0,44$  NRC = 0,50  $w = 0,50$  (M) Kl. D

f [Hz]	125	250	500	1000	2000	4000
$\alpha_s$	0,15	0,25	0,47	0,77	0,60	0,37

Surface:



## Technical details

### Material:

#### BER Sonoplus - N

Chipboard panel base

Surface covered with acoustic fleece

oversprayed with BER structure lacquer

rear surface covered with acoustic fleece

(non-hazardous)

### Technical details:

Fire rating class B1, according to DIN 4102

(similar to UK class 1)

sound absorbing according to DIN EN ISO 354:2005

sound absorber classes C and D and

sound reflecting

light reflection according to DIN 5036

white, similar to RAL 9010 (89%)

ball impact resistant construction

according to DIN 18 032 for ceiling and walls

### Thickness:

approx.: 20 mm

### Weight:

approx.: 9,00 kg/m<sup>2</sup>

### panel size:

max. 1250 x 3800 mm

purpose made and other sizes available

### dimensional tolerances:

+/- 0,5 per 1000 mm

### Colour:

BER structure lacquer white

similar to RAL 9010

other RAL or NCS colours available